Name of student: _____Class_____

NORTHERN EDUCATION DIVISION

2025 JUNIOR CERTIFICATE MOCK EXAMINATION

GEOGRAPHY

(100 marks)

Subject Number: J073

Thursday, 3 April

Time Allowed: 2h 30 mins

1:00 – 3:30 pm

1. This paper contains **12** printed pages. Please check.
2. This paper has three sections. **A, B** and **C**.
3. Follow instructions for each section carefully.
4. In the table provided on this page, **tick** against the question number you have answered.
5. Hand in your question paper to the invigilator when time is called to stop writing.

IMPORTANT

6. Make sure you write your **Name** in the spaces provided on **all** the pages of this question paper before you start answering the questions.

Question number	Tick if answered	Do not write in these columns	
1-20			
21			
22			
23			
24			
25			
26			
27			
28			

Turn over..

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Section A (20 Marks)

Answer **all** questions in this section by encircling the letter representing the right option. Each question carries **1 mark.**

1. On a map, relief can be expressed using various shades of colours called_____
   A. Contours
   B. Harchures
   C. Layer tinting
   D. Hill shading

2. Daily rising and falling of tides is an effect of
   A. Rotation of the earth
   B. Revolution of the earth
   C. Earths spherical shape
   D. Tilting of the earths axis

3. A country is located **40° North** of the equator. Its actual distance from the equator is
   A. 420 km
   B. 4440 km
   C. 4040 km
   D. 4444 km

4. Which of the following tourist attractions is correct about Likoma Island?
   A. War memorial
   B. Sandy beaches
   C. Historical mission site
   D. Wild game watching

5. Which of the following is the process which resulted to the formation of Lake Malawi?
   A. Crustal warping
   B. Volcanism
   C. Meandering
   D. Faulting

6. In which months of the year is the hot wet season experienced in Malawi?
   A. May to July
   B. March to June
   C. November to April
   D. August to November

7. Why is the International Date Line regarded as a great circle?
   A. It runs from north to south pole
   B. It divides the earth into two equal parts
   C. It has equal length with the equator
   D. It is longer than the arctic circle

8. Which of the following is a dwarf planet?
   A. Mercury
   B. Mars
   C. Venus
   D. Pluto

9. Which of the following is an artificial cause of earth tremors along the rift valley of Malawi?
   A. Mining activities
   B. Construction works
   C. Transportation of goods
   D. Earth movements

10. Which of the following ways of preserving fish help to improve taste?
    A. Sun dry
    B. Smoking
    C. Freezing
    D. Salting

11. Which of the following types of Energy is environmental friendly?
    A. Solar
    B. Biogas
    C. Nuclear

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D. Geothermal

12. Which of the following is a disadvantage of road transport?
    A. Slowest means of transport
    B. Expensive over long distance
    C. Most expensive of all means of transport
    D. No flexibility of routes

13. What would be the time at a place 55◦ west of Greenwich meridian if the time at 0◦ longitude is 13:00 pm?
    A. 9:20 am
    B. 9:00 am
    C. 4:40 pm
    D. 5:00 pm

14. Why is the middle part of Shire river important?
    A. It contains fertile soils for farming
    B. It contains water falls for generating electricity
    C. It contains marshes which attract tourists
    D. It contains a lot of fish hence used for fishing

15. A rise in carbon dioxide concentration in the atmosphere will result into all of the following except
    A. Melting of ice carps
    B. Rising water levels
    C. Freezing of tropical lakes
    D. Long periods of drought

16. Which of the following features is formed by long shore drift?
    A. Delta
    B. Beach
    C. Spit
    D. Shoreline

17. Which of the following are examples of means of communication?
    A. Facial expression
    B. Newspapers
    C. written text messages
    D. Verbal communication

18. A certain country has a total population of 95,600 people and an area of 5,600 km². Calculate its population density.
    A. 17.07 km²
    B. 20.01 km ²
    C. 15.06 km²
    D. 16.04 km²

19. Motor vehicle industry is an example of
    A. Primary industry
    B. Quaternary industry
    C. Tertiary industry
    D. Secondary industry

20. What name is given to the boundary between crust and mantle?
    A. Moho discontinuity
    B. Gutenberg discontinuity
    C. Lithosphere
    D. d. Core

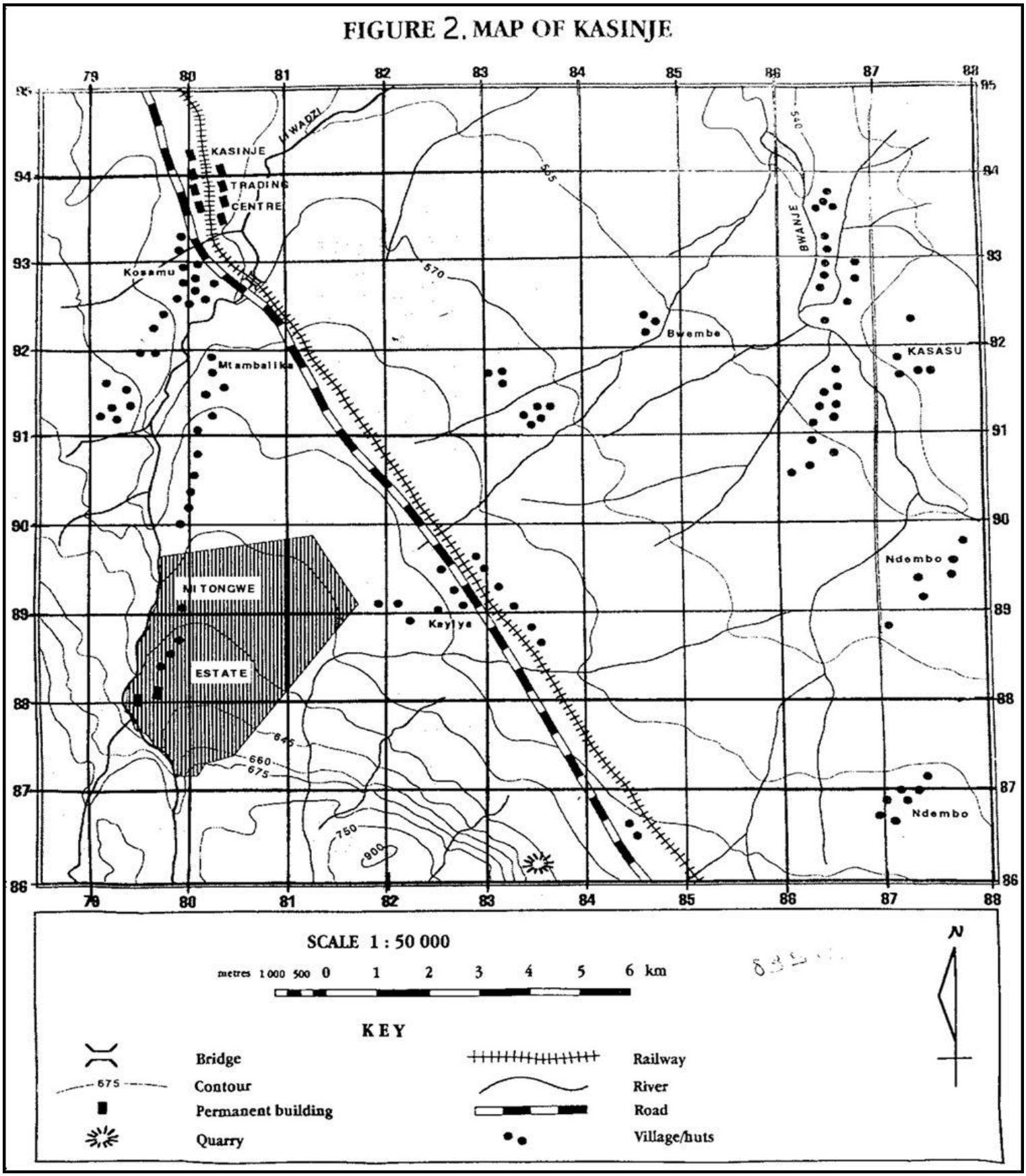
Section B (50 Marks)

Answer all questions in this **section in the spaces provided.**

21. **Figure 1** is the **1:50 000** map extract for Kasinje. Use it to answer the questions that follow.

NAME OF STUDENT: _____

FIGURE 2. MAP OF KASINJE



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a. i. Identify a riverine feature in grid square **8590**

_____ **(2 marks)**

ii. Give the **six figure grid** reference of quarry

_____ **(2 marks)**

b. Identify any **two** drainage patterns shown on the map

_____ **(2 mark)**

c. Describe any **two** land use activities in the area covered by the Map

_____

_____

(2 marks)

d. Calculate the actual distance of the road from northing **87** to northing **92**. Give your answer to the nearest Kilometer.

_____

_____

(3 marks)

e. Identify any **one** way of expressing scale that has been used on the map

_____ **(1 mark)**

f. In what way has relief been represented on the map?

_____ **(1 mark)**

g. What is the direction of **Kasasu** from **Kosamu**

_____

_____ **(2 marks)**

h. Identify any **two** settlement patterns shown on the map

_____

_____ **(2 marks)**

i. Find the bearing of Kayiya (**8288**) from Bwembe (**8482**)

(3 marks)

22. a.i. Explain the importance of vegetation in the hydrological Cycle.

_____

_____ **(2 marks)**

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ii. State any **two** ways of maintaining the hydrological cycle.

_____

_____**(2 marks)**

b. i. State any **two** factors that influence the climate of Malawi.

_____

_____**(2 marks)**

ii. Describe how deforestation influence climate change in Malawi.

_____

_____**(2 marks)**

iii. Explain how natural resources are being mismanaged in Malawi. Give any **one** point.

_____

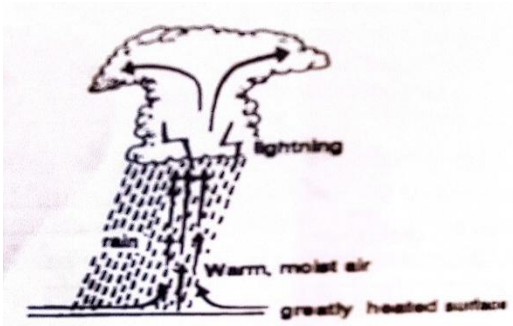
_____ **(2 marks)**

c. Suggest any **one** way of managing natural resources.

_____

_____**(1 mark)**

23. a. **Figure 2** is a diagram showing a type of rainfall. Use it to answer questions that follow



i. Identify the type of rainfall

_____**(1 mark)**

ii. Explain how the type of rainfall mentioned in **23 a.i** above is formed

_____

_____

_____

_____**(3 marks)**

b. Describe any **one** possible way of improving Malawi's unfavorable balance of trade

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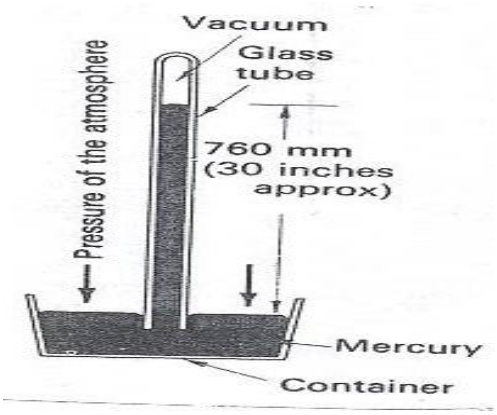
_____

_____**(2 marks)**

24. **Figure 3** is an instrument used to measure weather. Use it to answer the question that follows:



a. i. State the element of weather which is measured by the instrument

_____ **(1 mark)**

ii. Explain how the instrument works

_____

_____

_____

_____ **(3 marks)**

b. i. State any **two** problems brought about by Shire river

_____

_____

_____

_____ **(2 marks)**

ii. Explain any **one** way in which communities living near forests benefit from them

_____

_____

_____ **(2 marks)**

c. i. Define a map

_____

_____ **(1 mark)**

ii. State any **one** difference between a map and an aerial photograph

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_____

_____ **(1 mark)**

iii, State any **two** pieces of evidence that show that the earth is spherical in shape

_____

_____

_____

_____ **(2 marks)**

iv. State any **one** characteristic of longitudes

_____

_____ **(1 mark)**

Section C (30 marks)

Answer all questions in an essay form in the spaces provided. Failure to answer the questions in an essay form will lead to **automatic loss of four marks.**

25. a. With the aid of a diagram, explain how a rift valley lake is formed by compression force.

Diagram

Explanation

_____

_____

_____

_____

_____

_____**(6 marks)**

NAME OF STUDENT: _____

b. Explain any **four** factors that affect temperature

(9 marks)

26. a. Describe any **three** human activities that endanger wildlife

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(6 marks)

b. Describe any **four** challenges faced by the tourism industry in Malawi

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(9 marks)

END OF QUESTION PAPER